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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Navy	<b>DATE:</b> February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				PE 0207161N: <i>Tactical Aim Missiles</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	0.906	8.765	21.107	-	21.107	29.441	58.084	61.986	58.040	Continuing	Continuing
0457: <i>AIM-9X</i>	0.906	8.765	11.224	-	11.224	6.812	6.668	0.736	0.772	Continuing	Continuing
0458: <i>AIM-9X Block III</i>	-	-	9.883	-	9.883	22.629	51.416	61.250	57.268	Continuing	Continuing

**Note**

A new Project Unit was established for Block III.

**A. Mission Description and Budget Item Justification**

The AIM-9X Sidewinder short-range air-to-air missile is a long term evolution of the AIM-9 series of fielded missiles. The AIM-9X missile program provides a launch and leave, air combat munition that uses passive infrared (IR) energy for acquisition and tracking of enemy aircraft and complements the Advanced Medium Range Air-to-Air Missile. Air superiority in the short-range air-to-air missile arena is essential and includes first shot, first kill opportunity against an enemy employing IR countermeasures. The AIM-9X employs several components common with the AIM-9M (fuze, rocket motor and warhead). Anti-Tamper features have been incorporated to protect improvements inherent in this design. AIM-9X is a Post Milestone III, Acquisition Category IC joint service program with Navy lead.

The Block II program has entered into Low Rate Initial Production (LRIP) with the Lot 11 (Block II LRIP 1) contract awarded in September 2011, and Lot 12 (Block II LRIP 2) awarded in December 2011. This budget line item will fund the remaining development, test and integration of software updates to the missile and aircraft platform integration to ensure these capabilities perform in accordance with established requirements.

The AIM-9X Block III builds upon the incremental acquisition strategy used to develop AIM-9X Block I and Block II to provide increased kinematics, lethality, enhanced IR Counter-Measure performance against emerging advanced threats, and improved Insensitive Munitions performance and will employ several components common with the AIM-9X Block II (advanced seeker, Advanced Optical Target Detector / datalink).

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy				DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0207161N: Tactical Aim Missiles				
B. Program Change Summary (\$ in Millions)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget		0.912	8.765	4.980	-	4.980
Current President's Budget		0.906	8.765	21.107	-	21.107
Total Adjustments		-0.006	-	16.127	-	16.127
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.001	-			
• Program Adjustments		-	-	16.101	-	16.101
• Rate/Misc Adjustments		-	-	0.026	-	0.026
• Congressional General Reductions Adjustments		-0.005	-	-	-	-
Change Summary Explanation						
Technical: Not applicable.						
Schedule:						
Nomenclature has been revised to reflect terminology consistent with Milestones A,B and C vice older Milestone I, II, and III terms, as follows: From IT-IIID to IT-B1, from OT-IIID to OT-C1.						
Blk II successfully completed a Milestone-C decision on 24 June 2011, therefore the following Contract Lots have been revised: From Lot 11 to Blk II LRIP 1, from Lot 12 to Blk II LRIP 2, from Lot 13 to Blk II LRIP 3, from Lot 14 to Blk II FRP 1, from Lot 15 to Blk II FRP 2, from Lot 16 to Blk II FRP 3.						
Completion of DT-B1 (previously DT-IIID) has been extended from 1st Qtr FY 2011 to 2nd Qtr FY 2012 to accomodate the software development schedule.						
Requirement no longer exists for Blk II Operational Test All-Up-Round (OT-IIIC)(2) beginning 1st Qtr 2012; event has been removed. The AIM-9X with 9.2 software enables evolutionary transition to Blk II (e.g. develop AIM-9X hardware but re-host Baseline software). With the added acquisition requirement to establish a separate program for Block II (AIM-9X hardware with OFS 9.3 software) there is no longer a requirement to field AIM-9X All-Up-Round hardware with 9.2.						

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207161N: Tactical Aim Missiles				PROJECT 0457: AIM-9X			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0457: AIM-9X	0.906	8.765	11.224	-	11.224	6.812	6.668	0.736	0.772	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
AIM-9X (Sidewinder) is a long-term evolution of the AIM-9, a fielded system, qualifying this as a research category operational systems development. The AIM-9X short range Air-to-Air missile modification program provides a launch and leave, air combat munition that uses passive infrared (IR) energy for acquisition and tracking of enemy aircraft and complements the Advanced Medium Range Air-to-Air Missile. Air superiority in the short range Air-to-Air Missile arena is essential and includes first shot, first kill opportunity against an enemy employing IR countermeasures. The AIM-9X employs several components common with the AIM-9M (fuze, rocket motor and warhead).											
Milestone C decision for Low Rate Initial Production (LRIP) was held on June 24th 2011, and the program has entered into LRIP contracts for Block II in FY 2011 and FY 2012. The program will enter the final LRIP in FY 2013, followed by Block II FRP in FY 2014 and beyond.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Continued Test and Evaluation of System  Articles:  Description: Funding required for Test & Evaluation and associated Governmental support required to ensure the AIM-9X missile integration with threshold US Navy aircraft platforms.  FY 2011 Accomplishments: Completed Operational Testing of missile software rehosting into the Pre-Planned Product Improvements that resolved obsolescence associated with the Computer Processor Unit on the Captive Air Training Missile. In support of MS-C, the program successfully completed an Operational Assessment of the performance requirements defined in the Capability Production Document. Program is executing Developmental Test and Integration.  FY 2012 Plans: Complete final phase of Operational Testing of missile software rehosting into new AIM-9X components. Complete Integrated (Development and Operational) Testing and begin Operational Testing of the follow on missile software (v9.3) for the AIM-9X missile integration.  FY 2013 Plans: Continued Operational testing.								0.101	4.628	4.490	
								0	0	0	
Title: Continued Product Development								0.649	4.000	6.310	

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0207161N: Tactical Aim Missiles		PROJECT 0457: AIM-9X		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2011	FY 2012	FY 2013
<div>Articles:</div> <div>Description: Continuation of Primary Hardware Development/Pre-Planned Product Improvement efforts for the AIM-9X fuze. Includes Systems Engineering / Program management, as well as support required to ensure AIM-9X missile integration with threshold US Navy aircraft platforms. Includes efforts to update missile components in order to comply with Insensitive Munitions requirements as established by Joint Requirements Oversight Council memo dated 11 February 2009.</div> <div>FY 2011 Accomplishments: Continued refinement of v9.3 Software Algorithm and Code Development in support of the AIM-9X missile testing and integration effort with threshold US Navy aircraft platforms.</div> <div>FY 2012 Plans: Continued refinement of v9.3 Software Algorithm and Code Development in support of the AIM-9X missile testing and integration effort with threshold US Navy aircraft platforms, as well as study insensitive munitions alternatives and risk reduction methods.</div> <div>FY 2013 Plans: Continued support of AIM-9X Block II integration. Study insensitive munitions alternatives and risk reduction methods. Continued support of Operational Test anomaly resolution.</div>				0	0	0
<div>Title: Continued Transportation &amp; Travel for Program Management</div> <div>Articles:</div> <div>Description: Transportation / Travel for AIM-9X effort.</div> <div>FY 2011 Accomplishments: Continued transportation and travel costs associated with supporting the AIM-9X missile program.</div> <div>FY 2012 Plans: Continue transportation and travel costs associated with supporting the AIM-9X missile program.</div> <div>FY 2013 Plans: Continue transportation and travel costs associated with supporting the AIM-9X missile program.</div>				0.156 0	0.137 0	0.124 0
<div>Title: Support</div> <div>Articles:</div> <div>Description: Studies and Analysis</div> <div>FY 2013 Plans:</div>				-	-	0.300 0

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy							<b>DATE:</b> February 2012				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0207161N: <i>Tactical Aim Missiles</i>			<b>PROJECT</b> 0457: <i>AIM-9X</i>					

  

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>				<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
Studies and analysis in support of Advanced Development of AIM-9X Sidewinder.						
<b>Accomplishments/Planned Programs Subtotals</b>				0.906	8.765	11.224

  

**C. Other Program Funding Summary (\$ in Millions)**

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• WPN 2209: <i>Sidewinder</i>	49.116	42.198	80.226	0.000	80.226	88.262	88.350	89.524	96.088	1,331.573	2,241.508
• MPAF 3479: <i>Sidewinder</i>	64.166	88.769	88.020	0.000	88.020	82.729	131.786	85.401	86.706	1,887.298	3,003.002
• RDTE, AF 41: <i>Sidewinder</i>	5.834	8.023	8.234	0.000	8.234	9.675	10.775	12.971	13.143	9.859	346.154

  

**D. Acquisition Strategy**

The Low Rate Initial Production (LRIP), LOT 4, Firm-Fixed-Price (FFP) contract was awarded in April 2004. Assistant Secretary of the Navy for (Research Development & Acquisitions) approved the Full-Rate Production (FRP) decision in May 2004. FRP 1, LOT 5 contract was awarded November 2004. FRP 1, LOT 5 through FRP 3 LOT 7 contracts were awarded November 2006. Rewards or penalties are provided depending on Raytheon Missile Systems Performance relative to the Procurement Price Commitment Curve (PPCC) for LOTs 5 through 7 (FY 2005 through FY 2007). FRP 4 LOT 8 (FY 2008) contract was re-negotiated outside of the PPCC, and was awarded in January 2008. The FRP 5 LOT 9 (FY 2009) contract was awarded in June 2009, and incorporated the new electronics unit into the Captive Air Training Missile resolving critical obsolescence issues, as well as a low quantity of test articles to prove out the capability and producibility of the AIM-9X missile. The FRP 6 Lot 10 (FY 2010) contract was awarded in June 2010 to procure Block I All Up Round missiles as well as additional tactical test articles.

Block II: Milestone C decision for LRIP was held on June 24th 2011, and the program has entered into LRIP contracts for Block II in FY 2011 and FY 2012. The program will enter the final LRIP in FY 2013, followed by Block II full rate production (FRP) in FY 2014 and beyond.

  

**E. Performance Metrics**

The AIM-9X Sidewinder program is meeting the cost, schedule, performance, funding and life cycle sustainment in accordance with the Acquisition Program Baseline. Contractor is meeting production schedule.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207161N: Tactical Aim Missiles				PROJECT 0457: AIM-9X					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hdw Development (Navy Fuze/OFS)	C/CPIF	Raytheon Missile Systems:Tucson, AZ	3.100	-		-		-		-	0.000	3.100	3.100
Primary Hdw Development (Fuze P3I)	SS/CPFF	Raytheon Missile Systems:Tucson, AZ	14.290	-		-		-		-	0.000	14.290	14.290
Aircraft Integration	C/CPFF	Boeing:St. Louis, MO	6.996	-		2.488	Dec 2012	-		2.488	4.860	14.344	14.344
Aircraft Integration	WR	NAWCWD:China Lake, CA	4.087	-		2.233	Nov 2012	-		2.233	Continuing	Continuing	Continuing
Munition Improvement Study	SS/CPFF	Raytheon Missile Systems:Tucson, AZ	-	1.000	Mar 2012	-		-		-	1.000	2.000	2.000
Systems Engineering	WR	NAWCWD:China Lake, CA	37.181	3.000	Nov 2011	1.589	Nov 2012	-		1.589	Continuing	Continuing	Continuing
All Prod Dev Cost from program implementation through FY 2002	Various	Not Specified:Not Specified	192.904	-		-		-		-	0.000	192.904	
Subtotal			258.558	4.000		6.310		-		6.310			
Remarks													
Total prior years - FY95 and prior under PE 0603715D. FY12 and FY13 funds warhead improvements to comply with insensitive munitions requirements.													
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Studies & Analyses	C/CPFF	NSMA:Arlington, VA	-	-	Feb 2012	0.300	Feb 2013	-		0.300	Continuing	Continuing	Continuing
Subtotal			-	-		0.300		-		0.300			

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207161N: Tactical Aim Missiles				PROJECT 0457: AIM-9X					
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Dev Test & Eval (WD)	WR	NAWC WD:China Lake, CA	29.914	-		-		-		-	0.000	29.914	
Navy Test & Eval (Govt Op Test - WD)	WR	NAWC WD:China Lake, CA	0.814	0.615	Nov 2011	1.554	Nov 2012	-		1.554	Continuing	Continuing	Continuing
Navy Test & Eval (Cont Dev Test)	SS/CPFF	Raytheon Missile Systems:Tucson, AZ	0.210	3.998	Mar 2012	-		-		-	0.000	4.208	4.208
Oper Test & Eval (OPTEVFOR)	WR	OPTEVFOR:Norfolk, VA	2.861	0.015	Nov 2011	0.050	Oct 2012	-		0.050	Continuing	Continuing	Continuing
All Prod Dev Cost from Program Implementation thru FY2002	Various	Various:Various	4.927	-		-		-		-	0.000	4.927	
System Improvement Process	SS/CPFF	Raytheon Missile Systems:Tucson, AX	-	-		2.886	Dec 2012	-		2.886	4.624	7.510	7.510
Subtotal			38.726	4.628		4.490		-		4.490			
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Transportation - Material	WR	NAVAIR:Patuxent River, MD	0.086	0.016	Nov 2011	0.050	Nov 2012	-		0.050	Continuing	Continuing	Continuing
Travel - Obligation throughout the year	WR	NAWCAD:Patuxent River, MD	2.412	0.121	Oct 2011	0.074	Oct 2012	-		0.074	Continuing	Continuing	Continuing
Management & Support Services	C/CPFF	Jorge Corporation:Lexington Park, MD	0.507	-		-		-		-	Continuing	Continuing	Continuing
All Prod Dev Cost from Program Implementation thru FY2002	Various	Various:Various	7.526	-		-		-		-	0.000	7.526	
Subtotal			10.531	0.137		0.124		-		0.124			

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy								<b>DATE:</b> February 2012			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0207161N: <i>Tactical Aim Missiles</i>				<b>PROJECT</b> 0457: <i>AIM-9X</i>			
	<b>Total Prior Years Cost</b>	<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	307.815	8.765		11.224		-		11.224			

**Remarks**

Breakout of Block I and Block II costs:

USN	Prior Yrs	FY12	FY13	FY14	FY15	FY16	FY17
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Block I	281,425						
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Block II	26,390	8,765	11,224	6,812	6,668	736	772
Total	307,815	8,765	11,224	6,812	6,668	736	772



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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207161N: <i>Tactical Aim Missiles</i>	PROJECT 0457: <i>AIM-9X</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207161N: <i>Tactical Aim Missiles</i>	<b>PROJECT</b> 0457: <i>AIM-9X</i>	

**Schedule Details**

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>TACTICAL AIM MISSILES Block I &amp; II</b>				
Acquisition Milestone - Block II: Milestone C	3	2011	3	2011
T&E Milestones - Block II: Development Test: v9.3 Development Test (DT-B1)	1	2011	2	2012
T&E Milestones - Block II: Operational Test: v9.2 Operational Test CATM (OT-IIIC)	1	2011	1	2011
T&E Milestones - Block II: Operational Test: v9.3 Integrated Development/Operational Test (IT-B1)	1	2011	2	2012
T&E Milestones - Block II: Operational Test: v9.3 Operational Test (OT-C1)	3	2012	3	2013
Production Milestones - Block II: Contract Awards: Low Rate Initial Production (LRIP 1) Award	4	2011	4	2011
Production Milestones - Block II: Contract Awards: Low Rate Initial Production (LRIP 2) Award	1	2012	1	2012
Production Milestones - Block II: Contract Awards: Low Rate Initial Production (LRIP 3) Award	2	2013	2	2013
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 1) Award	2	2014	2	2014
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 2) Award	2	2015	2	2015
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 3) Award	2	2016	2	2016
Production Deliveries: Full Rate Production Deliveries Lot 9	1	2011	4	2011
Production Deliveries: Full Rate Production Deliveries Lot 10	1	2012	4	2012
Production Deliveries: Low Rate Initial Production Lot 11 / LRIP 1	4	2012	4	2013
Production Deliveries: Low Rate Initial Production Lot 12 / LRIP 2	4	2013	4	2014
Production Deliveries: Low Rate Initial Production Lot 13 LRIP 3	4	2014	4	2015
Production Deliveries: Full Rate Production Lot 14 FRP 1	4	2015	4	2016
Production Deliveries: Full Rate Production Lot 15 FRP 2	4	2016	4	2017

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0207161N: <i>Tactical Aim Missiles</i>		<b>PROJECT</b> 0457: <i>AIM-9X</i>

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Production Deliveries: Full Rate Production Lot 16 FRP 3	4	2017	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207161N: Tactical Aim Missiles				PROJECT 0458: AIM-9X Block III			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0458: AIM-9X Block III	-	-	9.883	-	9.883	22.629	51.416	61.250	57.268	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The AIM-9X Block III builds upon the incremental acquisition strategy used to develop AIM-9X Block I and Block II to provide increased kinematics, lethality, enhanced Infrared Counter-Measure performance against emerging advanced threats, and improved Insensitive Munitions performance and will employ several components common with the AIM-9X Block II (e.g. advanced seeker, Advanced Optical Target Detector / datalink). This budget line item will fund the technology risk reduction, software development, hardware development, insensitive munitions improvements, test, and aircraft platform integration of AIM-9X Block III to ensure these capabilities perform in accordance with established requirements. An AIM-9X Block III risk reduction effort will mature the program for an FY16 Engineering and Manufacturing Development (EMD) start. Risk reduction and EMD programs also comply with and address the Joint Requirements Oversight Council Memorandum Insensitive Munitions direction (11 Feb 09) for AIM-9X IM technology insertion. Applicable anti-tamper features already incorporated in the existing AIM-9X Block II to protect improvements inherent in design will be brought forward for AIM-9X Block III.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: New Product Development  Articles:  Description: Funding required to establish the AIM-9X Block III Integrated Product Team (IPT) which will develop program technology development strategy, develop draft acquisition program baseline, refine program requirements, identify best value preferred system concept, and commence competitive prototyping with associated technology risk reduction.  FY 2013 Plans: Establish AIM-9X Block III IPT. Complete the Counter-Air Weapons Study Analysis of Alternatives, conduct Alternative System Review and select best value preferred material solution alternative. Develop draft program Technology Development Strategy (TDS), Capabilities Description Document (CDD), and Acquisition Program Baseline (APB). Commence early science and technology risk reduction activities to mature common technological components required for rocket motor, warhead, and insensitive munitions enabling technologies. Complete Milestone A with approved TDS, draft CDD, and APB. Award contracts / task orders for development of competitive prototypes for AIM-9X Block III. Conduct System Requirements Review to refine draft CDD and program requirements.								-	-	9.5010	
Title: Transportation & Travel for Program Management  Articles:  FY 2013 Plans:								-	-	0.0390	

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0207161N: <i>Tactical Aim Missiles</i>			<b>PROJECT</b> 0458: <i>AIM-9X Block III</i>					
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>											
Transportation and travel costs associated with supporting the AIM-9X Blk III missile program.							<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>		
<b>Title:</b> Support  <div style="text-align: right;"><b>Articles:</b></div>							-	-	0.343	0	
<b>FY 2013 Plans:</b> Management and support services associated with AIM-9X Sidewinder Blk III.											
<b>Accomplishments/Planned Programs Subtotals</b>							-	-	9.883		
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
			<u><b>FY 2013</b></u>	<u><b>FY 2013</b></u>	<u><b>FY 2013</b></u>					<u><b>Cost To</b></u>	
<u><b>Line Item</b></u>	<u><b>FY 2011</b></u>	<u><b>FY 2012</b></u>	<u><b>Base</b></u>	<u><b>OCO</b></u>	<u><b>Total</b></u>	<u><b>FY 2014</b></u>	<u><b>FY 2015</b></u>	<u><b>FY 2016</b></u>	<u><b>FY 2017</b></u>	<u><b>Complete</b></u>	<u><b>Total Cost</b></u>
• ONR: FNC: <i>Sidewinder</i>	0.000	0.000	7.599	0.000	7.599	13.439	18.868	17.004	8.090	0.000	65.000
<b>D. Acquisition Strategy</b>											
AIM-9X Block III plans to conduct a Milestone Decision Directive Defense Acquisition Board Milestone Decision Authority concurrence on the program's entry into the acquisition framework and acquisition strategy. Competitive prototyping will occur from mid FY 2013 to early FY 2015. In FY 2015, the program will downselect to a single AIM-9X Block III primary system design, which will be used for final technology development in preparation for Milestone B. Common core technologies for AIM-9X Block III will also be developed during the 2013-2015 Technology Development Phase culminating in AIM-9X Block III Milestone B in FY 2016 for entry into Engineering and Manufacturing Development. AIM-9X Block III will be managed as a separate program by PMA-259.											
<b>E. Performance Metrics</b>											
AIM-9X Block III supporting technologies and best value preferred system concept will be developed to meet minimum system requirements that will be defined in a draft AIM-9X Block III Capabilities Description Document and draft program Acquisition Program Baseline which will be established by FY 2013.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy											<b>DATE:</b> February 2012			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0207161N: <i>Tactical Aim Missiles</i>				<b>PROJECT</b> 0458: <i>AIM-9X Block III</i>						

  

Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Blk III Primary Hdw Development #1	C/CPFF	TBD:TBD	-	-		3.802	Feb 2013	-		3.802	11.200	15.002	15.002
Blk III Primary Hdw Development #2	C/CPFF	TBD:TBD	-	-		3.802	Feb 2013	-		3.802	11.200	15.002	15.002
Blk III Systems Engineering	WR	NAWCWD:China Lake, CA	-	-		0.897	Nov 2012	-		0.897	Continuing	Continuing	Continuing
Blk III Munition Improvement Study	SS/CPFF	Raytheon Missile Systems:Tucson, AZ	-	-		0.600	Nov 2012	-		0.600	1.400	2.000	2.000
Blk III Gov't Engineering Support	WR	NAWCAD:Patuxent River, MD	-	-		0.400	Nov 2012	-		0.400	Continuing	Continuing	Continuing
<b>Subtotal</b>			-	-		9.501		-		9.501			

  

Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Blk III Management and Support Services	C/CPFF	Jorge Scientific Corporation:Lexington Park, MD	-	-		0.343	Nov 2012	-		0.343	Continuing	Continuing	Continuing
Blk III Travel- Obligation throughout the year	WR	NAVAIR:Patuxent River, MD	-	-		0.019	Nov 2012	-		0.019	Continuing	Continuing	Continuing
Blk III Transportation - Material	WR	NAWCAD:Patuxent River, MD	-	-		0.020	Nov 2012	-		0.020	Continuing	Continuing	Continuing
<b>Subtotal</b>			-	-		0.382		-		0.382			

  

			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			-	-		9.883		-		9.883			

  

<b>Remarks</b>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207161N: <i>Tactical Aim Missiles</i>	PROJECT 0458: <i>AIM-9X Block III</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy

DATE: February 2012

## APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

## R-1 ITEM NOMENCLATURE

PE 0207161N: Tactical Aim Missiles

## PROJECT

0458: AIM-9X Block III

## Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>TACTICAL AIM MISSILES Block III</b>				
Acquisition Milestone - Blk III: Acquisition Milestone A	1	2013	1	2013
Acquisition Milestone - Blk III: Acquisition Milestone B	4	2015	4	2015
Systems Development - Blk III: Systems Development Primary H/W Development	1	2012	3	2016
Systems Development - Blk III: Systems Development Primary H/W Development Competitive	2	2013	2	2015
Systems Development - Blk III: Systems Development Primary H/W Competitive Downselect	3	2015	3	2016
Systems Development - Blk III: Primary H/W Development Engineering & Manufacturing	4	2016	4	2017
Systems Development - Blk III: Primary S/W Development Engineering & Manufacturing	4	2016	4	2017
Systems Development - Blk III: Reviews: Alternative Systems Review (ASR)	4	2012	4	2012
Systems Development - Blk III: Reviews: System Requirements Review (SRR) #1	2	2013	2	2013
Systems Development - Blk III: Reviews: Prototypes Test Readiness Review (TRR)	2	2014	2	2014
Systems Development - Blk III: Reviews: System Requirements Review (SRR) #2	3	2014	3	2014
Systems Development - Blk III: Reviews: System Function Review (SFR)	3	2015	3	2015
Systems Development - Blk III: Reviews: System Specification Review (SSR)	2	2016	2	2016
Systems Development - Blk III: Reviews: Preliminary Design Review (PDR)	3	2016	3	2016
Systems Development - Blk III: Reviews: Integrated Baseline Review (IBR)	2	2017	2	2017
T&E Milestones - Blk III: Test & Evaluation Competitive Prototype Demo Tests	4	2014	4	2015
T&E Milestones - Blk III: Test & Evaluation Early Operational Assessment (EOA)	1	2015	1	2015